What is claimed is:

1. An Event Report Request data for requesting to deliver an Event Report data, wherein the Event Report data reports an Event occurred in accordance with use of a digital item, the Event Report Request data comprising Delivery Time information describing time for transmitting the Event Report data,

wherein the Delivery Time information includes:

10 a specific time;

an elapsed time; and

a periodic time.

- 2. The Event Report Request data as recited in claim
 15 1, wherein the specific time includes information
 requesting to transmit the Event Report data at least one
 of on a first time, after the first time, before a second
 time and between the first time and the second time.
- 20 3. The Event Report Request data as recited in claim 2, wherein the elapsed time includes information requesting to transmit the Event Report data at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.

25

4. The Event Report Request data as recited in claim 1, further comprising Time information describing time on which the Event occurs,

wherein the Time information includes:

30 a specific time;

an elapsed time; and

a periodic time.

5. The Event Report Request data as recited in claim 35 4, wherein the specific time includes information on which

the Event occurs at least one of on a first time, after the first time, before a second time and between the first time and the second time.

6. The Event Report Request data as recited in claim 2, wherein the elapsed time includes information on which the Event occurs at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.

10

7. The Event Report Request data as recited in claim 1, further comprising To Whom information,

wherein the To Whom information includes:

a mandatory recipient to whom the Event Report data is transmitted in mandatory; and

an optional recipient to whom the Event Report data is transmitted in optional.

8. The Event Report Request data as recited in claim 20 7, further comprising:

Condition Descriptor describing conditions for the delivery of the Event Report data, i.e., Event condition related to operation for a digital item and Event occurrence time; and

- 25 ERR Descriptor describing identification and characteristics of the Event Report Request data.
 - 9. The Event Report Request data as recited in claim 8, wherein the Condition Descriptor includes:
- Time information describing the Event occurrence time;
 - DI Related Operation describing user operation condition in accordance with the use of the digital item; and
- 35 Peer Related Operation describing condition in

accordance with the operations occurred in the peer.

5

10. The Event Report Request data as recited in claim 9, wherein the ERR Descriptor includes:

ID describing identification (ID) of the EVENT REPORT REQUEST data;

Description of the EVENT REPORT REQUEST data describing attributes of the EVENT REPORT REQUEST data; and

Access Right describing an access right of the Event 10 Report Request data.

11. The Event Report Request data as recited in claim 10, wherein the Description includes:

Time Stamp describing a time on which the EVENT 15 REPORT REQUEST data is generated;

Life Time describing a life time of the EVENT REPORT REQUEST data;

History describing a history of changes or modification of the EVENT REPORT REQUEST data; and

Priority Level describing the priority level of the EVENT REPORT REQUEST data, wherein the priority level is used by peers to handle Event Report Request data.

12. The Event Report Request data as recited in claim 25 11, further comprising:

ER Descriptor describing contents and formats of the Event Report data corresponding to the Event condition;

Delivery Descriptor describing generation and transmission schemes of the Event Report data; and

To Whom describing a recipient of the Event Report data.

- 13. The Event Report Request data as recited in claim 12, wherein the ER Descriptor includes:
- 35 ER Data Descriptor describing a report data list and

format of the Event Report data, wherein the report data list is a list of information to be included in the Event Report data; and

ERR describing another Event Report Request data 5 requesting an operation, e.g., an acknowledgement or forwarding of the Event Report Request data.

- 14. The Event Report Request data as recited in claim 13, wherein the ER Data Descriptor includes:
- 10 ER ID describing identification of the Event Report data; and

Report Data describing a list of information which the Event Report data reports.

15. The Event Report Request data as recited in claim 14, wherein the To Whom includes:

Peer IDs, which is identification information of the peers receiving the Event Report data; and

User IDs, which is identification information of the 20 users receiving the Event Report data.

16. The Event Report Request data as recited in claim 15, wherein the Delivery Descriptor includes:

Format describing a format of data used for generating the Event Report data;

25

Access Right describing access right to the Event Report data;

Encryption describing an encryption algorithm for encrypting the Event Report data;

Authentication describing an authentication algorithm for authenticating the Event Report data;

Delivery Time describing time to delivery the Event Report data;

Protocol describing a protocol for delivering the 35 Event Report data; and

Compression describing a compression algorithm for compressing the Event Report data.

17. The Event Report Request data as recited in claim 5 16, wherein Report Data includes:

Peer Data describing information on the peer; and User Data describing information on the user.

17. The Event Report Request data as recited in claim 10 7, further comprising:

ER Descriptor describing contents and formats of the Event Report data corresponding to the Event condition; and Delivery Descriptor describing generation and transmission schemes of the Event Report data

15

20

19. The Event Report Request data as recited in claim 16, wherein the ER Descriptor includes:

ER Data Descriptor describing a report data list and format of the Event Report data, wherein the report data list is a list of information to be included in the Event Report data; and

ERR describing another Event Report Request data requesting an operation, e.g., an acknowledgement or forwarding of the Event Report Request data.

25

- 20. The Event Report Request data as recited in claim 19, wherein the ER Data Descriptor includes:
- ER ID describing identification of an Event Report data;
- 30 Access right describing access right to the Event Report data;

Report Data describing list of information which the Event Report data reports; and

Format describing a format of data used for 35 generating the Event Report data.

21. The Event Report Request data as recited in claim 20, wherein the Delivery Descriptor includes:

To Whom describing a recipient of the Event Report data;

Delivery time describing time to delivery the Event Report data; and

How describing a transmission method of the Event Report data.

10

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22. The Event Report Request data as recited in claim 20, wherein the To Whom includes:

Peer IDs, which is identification information of the peers receiving the Event Report data; and

- User IDs, which is identification information of the users receiving the Event Report data.
 - 23. The Event Report Request data as recited in claim 22, wherein the How includes:
- Compression describing a compression algorithm for compressing the Event Report data;

Encryption describing an encryption algorithm for encrypting the Event Report data;

Authentication describing an authentication algorithm 25 for authenticating the Event Report data; and

Protocol describing a protocol for delivering the Event Report data.

- 24. The Event Report Request data as recited in claim 30 23, wherein the ERR includes or refers another Event Report Request data requesting an acknowledgement or forwarding of the Event Report data.
- 25. The Event Report Request data as recited in claim 35 24, wherein the DI Related Operation uses terms of right

data dictionary (RDD) defined in MPEG-21.

26. The Event Report Request data as recited in claim 25, wherein the Peer Related Operation uses terms of the Peer Environment of a digital item adaptation (DIA) defined in the MPEG-21.

- 27. The Event Report Request data as recited in claim 26, wherein the ID of the ERR Descriptor has the same 10 format as a digital item identification (DII) defined in the MPEG-21.
- 28. The Event Report Request data as recited in claim 1 or 6, wherein based on schema of eXtensible Markup 15 Language (XML), syntax of the Delivery time information is defined as:

(Table 1)

<xsd:complexType name="DeliveryTime">

20 <xsd:choice minOccurs="0">

<xsd:element name="specificTime"</pre>

type="SpecificTime"/>

<xsd:element name="elapsedTime"</pre>

type="ElapsedTime"/>

type="PeriodicTime"/>

</xsd:choice>

</xsd:complexType>

<xsd:complexType name="SpecificTime">

30 <xsd:choice>

<xsd:element name="onTime"</pre>

type="xsd:dateTime"/>

<xsd:sequence>

<xsd:element name="afterOn"</pre>

35 type="xsd:dateTime" minOccurs="0"/>

```
<xsd:element name="beforeOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                      </xsd:sequence>
          </xsd:choice>
5
          </xsd:complexType>
          <xsd:complexType name="ElapsedTime">
                <xsd:sequence>
                      <xsd:element name="beginElapse"</pre>
    type="BeginElapse" minOccurs="0"/>
10
                      <xsd:element name="endElapse"</pre>
    type="EndElapse" minOccurs="0"/>
                </xsd:sequence>
          </xsd:complexType>
          <xsd:complexType name="BeginElapse">
15
                <xsd:choice>
                      <xsd:element name="sTime"</pre>
    type="xsd:time"/>
                      <xsd:element name="sDuration"</pre>
    type="xsd:duration"/>
20
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="EndElapse">
                <xsd:choice>
                       <xsd:element name="eTime"</pre>
25
    type="xsd:time"/>
                      <xsd:element name="eDuration"</pre>
    type="xsd:duration"/>
                </xsd:choice>
          </xsd:complexType>
30
          <xsd:complexType name="PeriodicTime">
                <xsd:sequence>
                      <xsd:element name="start"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                      <xsd:element name="period"</pre>
35
    type="xsd:duration"/>
```

<xsd:element name="phase"</pre>

type="xsd:duration" minOccurs="0"/>

<xsd:element name="duration"</pre>

type="xsd:duration"/>

type="xsd:duration"/>

</xsd:sequence>

</xsd:complexType>

10 <xsd:element name="deliveryTime"</pre>

type="DeliveryTime"/>

(Table 2)

Name	Definition
"DeliveryTime"	Delivery Time Information
"SpecificTime"	Specific time to transmit ER data
"ElapsedTime"	Elapsed time to transmit ER data
"PeriodicTime"	Periodic Time to transmit ER data
"onTime"	Time at which ER data should be transmitted
"afterOn"	After a time at which ER data should be transmitted
"beforeOn"	Before a time at which ER data should be transmitted
"beginElapse"	Reference time when elapsed time for transmitting the ER data begins. If there is no beginElapse, the reference time is Event occurrence time
"endElapse"	End time of elapsed time by which delivery of the Event Report data is ended
"sTime"	Specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data

	for the Event starts
"sDuration"	Duration after specific time of a day
	on which an Event occurs, the specific
	time at which delivery of an Event
	Report data for the Event starts
	Specific time of a day on which an
"eTime"	Event occurs, the specific time at
erime	which delivery of an Event Report data
	for the Event ends
	Duration after specific time of a day
"endDuration"	on which an Event occurs, the specific
	time at which delivery of an Event
	Report data for the Event ends

29. The Event Report Request data as recited in claim 7, wherein based on schema of eXtensible Markup Language (XML), syntax of the To Whom information is defined as:

5

```
(Table 3)
```

<xsd:complexType name="Recipient">

<xsd:sequence minOccurs="1"</pre>

maxOccurs="unbounded">

10 <xsd:element name="peer"</pre>

type="xsd:string"/>

<xsd:element name="reportPolicy">

<xsd:simpleType>

<xsd:restriction</pre>

15 base="xsd:NMTOKEN">

<xsd:pattern</pre>

value="required"/>

<xsd:pattern</pre>

value="optional"/>

</xsd:simpleType>

</xsd:element>

</xsd:sequence>

</xsd:complexType>

<xsd:element name="recipient" type="Recipient"/>

5

(Table 4)

Name	Definition
"Recipient"	Recipient
"peer"	Peer generating Event Report
"reportPolicy"	Event Report policy. If the value is "required", the peer should transmit the ER data, and if the value is "optional", the Event Report Request message is denied and the ER data can not be transmitted.

30. The Event Report Request data as recited in claim 1, wherein the Event Report Request data includes information as:

10

General Element	Specific Element		
Condition	Time		
Descriptor	Event	DI Relate	d Operation
DODOLIPOT.		Peer Relate	ed Operation
		Time	Stamp
	Description	Life Time	
ERR Descriptor	Description	History	
BAR Descriptor		Priori	ty Level
	ID		
	Access Right		
	ER Data	EF	RID
ER Descriptor	Descriptor	Report Data	Peer Data
		Report Bata	User Data
	ERR		
Delivery	Format		

Descriptor	Encryption	
	Access Right	
	Authentication	
	Delivery Time	<u>-</u> .
	Protocol	
	Compression	
To Whom	Peer IDs	
TO MITORI	User IDs	

31. The Event Report Request data as recited in claim 1, wherein the Event Report Request data includes information as:

General Element	Specific Element		
Condition	Time		
Descriptor	DI Related Operation		
Joseph	Peer Related Operation		
	Description	Time Stamp	
		Life Time	
ERR Descriptor	Bescription	History	
		Priority Level	
	ID		
	Access Right		
		ER ID	
	ER Data	Report Data	
ER Descriptor	Descriptor	Access Right	
		Format	
	ERR		
Delivery	To Whom	Peer IDs	
Descriptor		User IDs	
_	Delivery Time		
	How	Encryption	
		Authentication	

	Protocol
	Compression

32. An Event Report data for reporting an Event occurred in accordance with use of a digital item, wherein the Event Report data provides information specified in an Event Report Request data, the Event Report data comprising:

ER Descriptor describing contents and formats of the Event Report data; and

Source Descriptor describing information on a source 10 generating the Event Report data.

- 33. The Event Report data as recited in claim 32, further comprising:
- ER Report data describing reportable information 15 corresponding to items requested by the Event Report Request data.
 - 34. The Event Report data as recited in claim 33, further comprising:
- Additional Action Descriptor describing additional actions related to generation, transmission and reception of the Event Report data corresponding to the Event Report Request data.
- 25 35. The Event Report data as recited in claim 34, wherein the ER Descriptor includes:

30

identification (ID) of the Event Report data; and description information describing attributes of the Event Report data.

36. The Event Report data as recited in claim 35, wherein the Source Descriptor includes:

ER Peer ID describing identification (ID) of the peer who generates the Event Report data at the first; and

Original ERR describing information on the Event Report Request data requesting to generate the Event Report 5 data.

36. The Event Report data as recited in claim 35, wherein the Additional Action Descriptor includes:

ERR describing another Event Report Request data 10 requesting an operation, e.g., an acknowledgement, forwarding or merging of the Event Report data; and

ER describing another Event Report data to be linked to the Event Report data.

38. The Event Report data as recited in claim 37, wherein the description information includes:

Format describing a format of data used for generating the Event Report data;

Encryption describing an encryption algorithm for 20 encrypting the Event Report data;

Compression describing a compression algorithm for compressing the Event Report data;

Access Right describing an access right of the Event Report data;

Authentication describing an authentication algorithm for authenticating the Event Report data;

History describing a history of changes or modification of the Event Report data;

Priority Level describing the priority level to the 30 Event Report data, wherein the priority level is used by the recipient to handle Event Report data; and

Time Stamp describing a time on which the Event Report data is generated.

35 39. The Event Report data as recited in claim 37,

wherein the Event Report Report Data embeds or refers reportable information specified in the Event Report Request data.

- 5 40. The Event Report data as recited in claim 39, wherein the Original ERR embeds or refers the Event Report Request data requesting to generate the Event Report data.
- 41. The Event Report data as recited in claim 40, 10 wherein the ERR embeds or refers another Event Report Request data related to the Event Report data.
- 42. The Event Report data as recited in claim 41, wherein the ER embeds or refers another Event Report data related to the Event Report data.
 - 43. The Event Report data as recited in claim 42, wherein the ER Descriptor further includes ER Status information describing status of the Event Report data.

44. The Event Report data as recited in claim 32, wherein the Event Report data includes information as:

20

General Element	Specific Element
	ID
	Format
	Encryption
	Access Right
ER Descriptor	Authenticate
	Compression
	History
	Priority Level
	Time Stamp
Source Descriptor	ER Peer ID
Source Sescriptor	Original ERR

ER Report Data			
Additional Action Descriptor	ERR		
Additional Action Descriptor	ER		

45. An Event Reporting system for processing an Event Report data in order to report an Event occurred in accordance with use of a digital item, the Event Report system comprising:

Event Report Request processing means for generating and delivering an Event Report Request data requesting to report an Event in response to user's request; and

Event Report processing means for generating and 10 delivering an Event Report data reporting the Event specified in the Event Report Request data.

46. The Event Reporting system as recited in claim 45, wherein said Event Report Request processing means includes:

Event Report Request generation means for generating the Event Report Request data;

Event Report Request transmission means for transmitting the Event Report Request data;

20 Event Report Request receiving means for receiving an Event Report Request data;

Event Report Request analysis means for the Event Report Request data received in the Event Report Request receiving means; and

25 Event occurrence monitoring means for monitoring whether or not an Event occurs.

- 47. The Event Reporting system as recited in claim 46, wherein said Event Report processing means includes:
- 30 Event Report generation means for generating the Event Report data;

Event Report transmission means for transmitting the

Event Report data;

Event Report receiving means for receiving an Event Report data; and

Event Report Request analysis means for the Event 5 Report data received in the Event Report receiving means.

48. The Event Reporting system as recited in claim 47, wherein the Event Report Request data includes Delivery Time information describing time for delivering the Event Report data,

wherein the Delivery Time information includes:

a specific time;

an elapsed time; and

a periodic time.

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- 49. The Event Reporting system as recited in claim 48, wherein the specific time includes information requesting to transmit the Event Report data at least one of on a first time, after the first time, before a second time and 20 between the first time and the second time.
 - 50. The Event Reporting system as recited in claim 49, wherein the elapsed time includes information requesting to transmit the Event Report data at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.
 - 51. The Event Reporting system as recited in claim 50, further comprising Time information describing time on which the Event occurs,

wherein the Time information includes:

a specific time;

an elapsed time; and

a periodic time.

52. The Event Reporting system as recited in claim 51, wherein the specific time includes information on which the Event occurs at least one of on a first time, after the first time, before a second time and between the first time and the second time.

- 53. The Event Reporting system as recited in claim 52, wherein the elapsed time includes information on which the Event occurs at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.
 - 54. The Event Reporting system as recited in claim 53, further comprising To Whom information,

wherein the To Whom information includes:

a mandatory recipient to whom the Event Report data is transmitted in mandatory; and

an optional recipient to whom the Event Report data is transmitted in optional.

20

10

55. The Event Reporting system as recited in claim 54, wherein based on schema of eXtensible Markup Language (XML), syntax of the Delivery time information is defined as:

25 (Table 1)

<xsd:element name="specificTime"</pre>

type="SpecificTime"/>

<xsd:element name="periodicTime"</pre>

type="PeriodicTime"/>

</xsd:choice>

35 </xsd:complexType>

```
<xsd:complexType name="SpecificTime">
                <xsd:choice>
                      <xsd:element name="onTime"</pre>
    type="xsd:dateTime"/>
5
                      <xsd:sequence>
                             <xsd:element name="afterOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                             <xsd:element name="beforeOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
10
                      </xsd:sequence>
          </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="ElapsedTime">
                <xsd:sequence>
15
                      <xsd:element name="beginElapse"</pre>
    type="BeginElapse" minOccurs="0"/>
                       <xsd:element name="endElapse"</pre>
    type="EndElapse" minOccurs="0"/>
                </xsd:sequence>
20
          </xsd:complexType>
          <xsd:complexType name="BeginElapse">
                <xsd:choice>
                       <xsd:element name="sTime"</pre>
    type="xsd:time"/>
25
                       <xsd:element name="sDuration"</pre>
    type="xsd:duration"/>
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="EndElapse">
30
                <xsd:choice>
                       <xsd:element name="eTime"</pre>
    type="xsd:time"/>
                       <xsd:element name="eDuration"</pre>
    type="xsd:duration"/>
                </xsd:choice>
35
```

```
</xsd:complexType>
          <xsd:complexType name="PeriodicTime">
                <xsd:sequence>
                      <xsd:element name="start"</pre>
   type="xsd:dateTime" minOccurs="0"/>
                      <xsd:element name="period"</pre>
    type="xsd:duration"/>
                      <xsd:element name="phase"</pre>
    type="xsd:duration" minOccurs="0"/>
10
                      <xsd:element name="duration"</pre>
    type="xsd:duration"/>
                      <xsd:element name="periodCount"</pre>
    type="xsd:duration"/>
                 </xsd:sequence>
15
          </xsd:complexType>
          <xsd:element name="deliveryTime"</pre>
    type="DeliveryTime"/>
```

20 (Table 2)

Name	Definition
"DeliveryTime"	Delivery Time Information
"SpecificTime"	Specific time to transmit ER data
"ElapsedTime"	Elapsed time to transmit ER data
"PeriodicTime"	Periodic Time to transmit ER data
"onTime"	Time at which ER data should be
	transmitted
"afterOn"	After a time at which ER data should be
420020	transmitted
"beforeOn"	Before a time at which ER data should be
	transmitted
	Reference time when elapsed time for
"beginElapse"	transmitting the ER data begins. If
	there is no beginElapse, the reference

	time is Event occurrence time
"endElapse"	End time of elapsed time by which
	delivery of the Event Report data is
	ended
	Specific time of a day on which an Event
"sTime"	occurs, the specific time at which
STIME	delivery of an Event Report data for the
	Event starts
	Duration after specific time of a day on
"sDuration"	which an Event occurs, the specific time
SDUIACION	at which delivery of an Event Report
	data for the Event starts
	Specific time of a day on which an Event
"eTime"	occurs, the specific time at which
erime	delivery of an Event Report data for the
	Event ends
"endDuration"	Duration after specific time of a day on
	which an Event occurs, the specific time
endouración	at which delivery of an Event Report
	data for the Event ends

56. The Event Reporting system as recited in claim 55, wherein based on schema of eXtensible Markup Language (XML), syntax of the To Whom information is defined as:

5

(Table 3)

<xsd:complexType name="Recipient">

<xsd:sequence minOccurs="1"</pre>

maxOccurs="unbounded">

10

<xsd:element name="peer"</pre>

type="xsd:string"/>

<xsd:element name="reportPolicy">

<xsd:simpleType>

<xsd:restriction</pre>

15 base="xsd:NMTOKEN">

<xsd:pattern</pre>

value="required"/>

<xsd:pattern</pre>

value="optional"/>

5

25

</xsd:restriction>

</xsd:simpleType>

</xsd:element>

</xsd:sequence>

</xsd:complexType>

(Table 4)

Name	Definition
"Recipient"	Recipient
"peer"	Peer generating Event Report
"reportPolicy"	Event Report policy. If the value is "required", the peer should transmit the ER data, and if the value is "optional", the Event Report Request message is denied and the ER data can not be transmitted.

57. The Event Reporting system as recited in claim 56, wherein the Event Report data includes:

ER Descriptor describing contents and formats of the Event Report data;

Source Descriptor describing information on a source generating the Event Report data;

20 ER Report data describing reportable information corresponding to items requested by the Event Report Request data; and

Additional Action Descriptor describing additional actions related to generation, transmission and reception of the Event Report data corresponding to the Event Report Request data.

58. The Event Reporting system as recited in claim 57, wherein the ER Descriptor includes:

identification (ID) of the Event Report data; and description information describing attributes of the Event Report data.

59. The Event Reporting system as recited in claim 58, wherein the Source Descriptor includes:

10 ER Peer ID describing identification (ID) of the peer who generates the Event Report data at the first; and

Original ERR describing information on the Event Report Request data requesting to generate the Event Report data.

15

5

60. The Event Reporting system as recited in claim 59, wherein the Additional Action Descriptor includes:

ERR describing another Event Report Request data requesting an operation, e.g., an acknowledgement, 20 forwarding or merging of the Event Report data; and

ER describing another Event Report data to be linked to the Event Report data.

61. The Event Reporting system as recited in claim 60, 25 wherein the description information includes:

Format describing a format of data used for generating the Event Report data;

Encryption describing an encryption algorithm for encrypting the Event Report data;

30 Compression describing a compression algorithm for compressing the Event Report data;

Access Right describing an access right of the Event Report data;

Authentication describing an authentication algorithm 35 for authenticating the Event Report data;

20

History describing a history of changes or modification of the Event Report data;

Priority Level describing the priority level to the Event Report data, wherein the priority level is used by the recipient to handle Event Report data; and

Time Stamp describing a time on which the Event Report data is generated.

- 62. The Event Reporting system as recited in claim 61, 10 wherein the ER Report Data embeds or refers reportable information specified in the Event Report Request data.
- 63. The Event Reporting system as recited in claim 62, wherein the Original ERR embeds or refers the Event Report 15 Request data requesting to generate the Event Report data.
 - 64. The Event Reporting system as recited in claim 63, wherein the ERR embeds or refers another Event Report Request data related to the Event Report data.

65. The Event Reporting system as recited in claim 64, wherein the ER embeds or refers another Event Report data related to the Event Report data.

25 66. The Event Reporting system request data as recited in claim 48, wherein the Event Report Request data includes information as:

General Element	Specific Element		
Condition Descriptor	Time		
	Event	DI Related Operation	
		Peer Related Operation	
ERR Descriptor	Description	Time Stamp	
		Life Time	
		History	
		Priority Level	

49

	ID		
	Access Right		
	ER Data Descriptor	ER ID	
ED December		Report Data	Peer Data
ER Descriptor		Report Data	User Data
	ERR		
	Format		
	Encryption		
Dolivory	Access Right		
Delivery Descriptor	Authentication		
Descriptor		Delivery Time	е
	Protocol		
	Compression		
To Whom	Peer IDs		
10 WHOM	User IDs		

67. The Event Reporting system data as recited in claim 48, wherein the Event Report Request data includes 5 information as:

General Element	Specific Element		
Condition	Time		
Descriptor	DI Related Operation		
202022	Peer Related Operation		
	Description	Time Stamp	
		Life Time	
ERR Descriptor		History	
		Priority Level	
	ID		
	Access Right		
ER Descriptor	ER Data Descriptor	ER ID	
		Report Data	
		Access Right	

		Format	
		ERR	
	To Whom	Peer IDs	
		User IDs	
Delivery	Delivery Time		
Descriptor		Encryption	
	How	Authentication	
		Protocol	
		Compression	

68. The Event Reporting system data as recited in claim 67, wherein the Event Report data includes information as:

General Element	Specific Element		
	ID		
	Format		
	Encryption		
	Access Right		
ER Descriptor	Authenticate		
	Compression		
	History		
	Priority Level		
	Time Stamp		
Source Descriptor	ER Peer ID		
Source Descriptor	Original ERR		
ER Report Data			
Additional Action Descriptor	ERR		
Additional Action Descriptor	ER		

69. An apparatus for requesting to report an Event and processing an Event Report Request data in order to report an Event occurred in accordance with use of a digital item, the apparatus comprising:

Event Report Request generation means for generating the Event Report Request data;

Event Report Request transmission means for transmitting the Event Report Request data;

10 Event Report Request receiving means for receiving an Event Report Request data;

Event Report Request analysis means for the Event Report Request data received in the Event Report Request receiving means; and

15 Event occurrence monitoring means for monitoring whether or not an Event occurs.

70. An apparatus for processing an Event Report data in order to report an Event occurred in accordance with use of a digital item, the apparatus comprising:

20

Event Report generation means for generating the Event Report data;

Event Report transmission means for transmitting the Event Report data;

25 Event Report receiving means for receiving an Event Report data; and

Event Report Request analysis means for the Event Report data received in the Event Report receiving means.

- 71. A method for processing an Event Report Request data in order to report an Event occurred in accordance with use of a digital item, the method system comprising the steps of:
- a) generating and delivering an Event Report Request
 35 data requesting to report an Event, receiving an Event

Report request data from an outside and analyzing the Event Report Request data received from the outside, and monitoring whether or not the Event specified in the Event Report Request data received from the outside; and

b) Event Report processing means for generating and delivering an Event Report data reporting the Event specified in the Event Report Request data, analyzing an Event Report data received from an outside, and delivering an analysis result.

10

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72. The method as recited in claim 71, wherein the step a) includes the steps of:

generating the Event Report Request data; transmitting the Event Report Request data;

15 receiving an Event Report Request data from the outside;

analyzing the Event Report Request data received from the outside; and

monitoring whether or not the Event specified in the 20 Event Report Request data received from the outside occurs.

73. The method as recited in claim 72, wherein the step b) includes the steps of:

generating the Event Report data;

transmitting the Event Report data;

receiving an Event Report data received from the outside;

analyzing the Event Report data received from the outside.

30

25

- 74. The method as recited in claim 73, wherein the Event Report Request data includes Delivery Time information describing time for transmitting the Event Report data,
- 35 wherein the Delivery Time information includes:

a specific time; an elapsed time; and a periodic time.

75. The method as recited in claim 74, wherein the specific time includes information requesting to transmit the Event Report data at least one of on a first time, after the first time, before a second time and between the first time and the second time.

10

15

- 76. The method as recited in claim 75, wherein the elapsed time includes information requesting to transmit the Event Report data at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.
- 77. The method as recited in claim 76, further comprising Time information describing time on which the Event occurs,
- 20 wherein the Time information includes:

a specific time;

an elapsed time; and

a periodic time.

78. The method as recited in claim 77, wherein the specific time includes information on which the Event occurs at least one of on a first time, after the first time, before a second time and between the first time and the second time.

30

35

79. The method as recited in claim 78, wherein the elapsed time includes information on which the Event occurs at least one of after on, before after a third time, before a fourth time and between the third time and the fourth time.

80. The method as recited in claim 79, wherein the

data further includes To Whom Event Report Request information, wherein the To Whom information includes: 5 a mandatory recipient to whom the Event Report data is transmitted in mandatory; and an optional recipient to whom the Event Report data is transmitted in optional. 10 81. The Event Reporting method as recited in claim 80, wherein based on schema of eXtensible Markup Language (XML), syntax of the Delivery time information is defined as: 15 (Table 1) <xsd:complexType name="DeliveryTime"> <xsd:choice minOccurs="0"> <xsd:element name="specificTime"</pre> type="SpecificTime"/> 20 <xsd:element name="elapsedTime"</pre> type="ElapsedTime"/> <xsd:element name="periodicTime"</pre> type="PeriodicTime"/> </xsd:choice> 25 </xsd:complexType> <xsd:complexType name="SpecificTime"> <xsd:choice> <xsd:element name="onTime"</pre> type="xsd:dateTime"/> 30 <xsd:sequence> <xsd:element name="afterOn"</pre> type="xsd:dateTime" minOccurs="0"/> <xsd:element name="beforeOn"</pre> type="xsd:dateTime" minOccurs="0"/> 35 </xsd:sequence>

```
</xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="ElapsedTime">
                <xsd:sequence>
                      <xsd:element name="beginElapse"</pre>
5
    type="BeginElapse" minOccurs="0"/>
                      <xsd:element name="endElapse"</pre>
    type="EndElapse" minOccurs="0"/>
                </xsd:sequence>
10
          </xsd:complexType>
          <xsd:complexType name="BeginElapse">
                <xsd:choice>
                      <xsd:element name="sTime"</pre>
    type="xsd:time"/>
                      <xsd:element name="sDuration"</pre>
15
    type="xsd:duration"/>
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="EndElapse">
20
                <xsd:choice>
                      <xsd:element name="eTime"</pre>
    type="xsd:time"/>
                      <xsd:element name="eDuration"</pre>
    type="xsd:duration"/>
25
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="PeriodicTime">
                <xsd:sequence>
                      <xsd:element name="start"</pre>
    type="xsd:dateTime" minOccurs="0"/>
30
                      <xsd:element name="period"</pre>
    type="xsd:duration"/>
                      <xsd:element name="phase"</pre>
    type="xsd:duration" minOccurs="0"/>
35
                      <xsd:element name="duration"</pre>
```

type="xsd:duration"/>

<xsd:element name="periodCount"</pre>

type="xsd:duration"/>

</xsd:sequence>

5 </xsd:complexType>

<xsd:element name="deliveryTime"</pre>

type="DeliveryTime"/>

10 (Table 2)

Name	Definition		
"DeliveryTime"	Delivery Time Information		
"SpecificTime"	Specific time to transmit ER data		
"ElapsedTime"	Elapsed time to transmit ER data		
"PeriodicTime"	Periodic Time to transmit ER data		
"onTime"	Time at which ER data should be transmitted		
"afterOn"	After a time at which ER data should be transmitted		
"beforeOn"	Before a time at which ER data should be transmitted		
"beginElapse"	Reference time when elapsed time for transmitting the ER data begins. If there is no beginElapse, the reference time is Event occurrence time		
"endElapse"	End time of elapsed time by which delivery of the Event Report data is ended		
"sTime"	Specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data for the Event starts		
"sDuration"	Duration after specific time of a day on which an Event occurs, the specific		

	time at which delivery of an Event
	Report data for the Event starts
	Specific time of a day on which an
ll a M i m a ll	Event occurs, the specific time at
"eTime"	which delivery of an Event Report data
	for the Event ends
"endDuration"	Duration after specific time of a day
	on which an Event occurs, the specific
	time at which delivery of an Event
	Report data for the Event ends

82. The method as recited in claim 81, wherein based on schema of eXtensible Markup Language (XML), syntax of the To Whom information is defined as:

5

```
(Table 3)
```

<xsd:complexType name="Recipient">

<xsd:sequence minOccurs="1"</pre>

maxOccurs="unbounded">

10 <xsd:element name="peer"</pre>

type="xsd:string"/>

<xsd:element name="reportPolicy">

<xsd:simpleType>

<xsd:restriction</pre>

15 base="xsd:NMTOKEN">

<xsd:pattern</pre>

value="required"/>

<xsd:pattern</pre>

value="optional"/>

20

</xsd:restriction>

</xsd:simpleType>

</xsd:element>

</xsd:sequence>

</xsd:complexType>

(Table 4)

15

Name	Definition		
"Recipient"	Recipient		
"peer"	Peer generating Event Report		
"reportPolicy"	Event Report policy. If the value is "required", the peer should transmit the ER data, and if the value is "optional", the Event Report Request message is denied and the ER data can not be transmitted.		

83. The method as recited in claim 82, wherein the 5 Event Report data includes:

ER Descriptor describing contents and formats of the Event Report data;

Source Descriptor describing information on a source generating the Event Report data;

10 ER Report data describing reportable information corresponding to items requested by the Event Report Request data; and

Additional Action Descriptor describing additional actions related to generation, transmission and reception of the Event Report data corresponding to the Event Report Request data.

- 84. The method as recited in claim 83, wherein the ER Descriptor includes:
- identification (ID) of the Event Report data; and description information describing attributes of the Event Report data.
- 85. The method as recited in claim 84, wherein the 25 Source Descriptor includes:

ER Peer ID describing identification (ID) of the peer

who generates the Event Report data at the first; and

Original ERR describing information on the Event Report Request data requesting to generate the Event Report data.

5

25

30

86. The method as recited in claim 85, wherein the Additional Action Descriptor includes:

ERR describing another Event Report Request data requesting an operation, e.g., an acknowledgement, 10 forwarding or merging of the Event Report data; and

ER describing another Event Report data to be linked to the Event Report data.

87. The method as recited in claim 86, wherein the 15 description information includes:

Format describing a format of data used for generating the Event Report data;

Encryption describing an encryption algorithm for encrypting the Event Report data;

Compression describing a compression algorithm for compressing the Event Report data;

Access Right describing an access right of the Event Report data;

Authentication describing an authentication algorithm for authenticating the Event Report data;

History describing a history of changes or modification of the Event Report data;

Priority Level describing the priority level to the Event Report data, wherein the priority level is used by the recipient to handle Event Report data; and

Time Stamp describing a time on which the Event Report data is generated.

88. The method as recited in claim 73, wherein the 35 Event Report Request data includes information as:

General Element	Specific Element			
Condition	Time			
Descriptor	Event	DI Related	d Operation	
Descriptor	Event	Peer Related Operation		
	Description	Time Stamp		
		Life Time		
ERR Descriptor		His	tory	
ERR Descriptor		Priorit	y Level	
		ID		
	Access Right			
	ER Data	ER ID		
ER Descriptor	Descriptor	Report Data	Peer Data	
EK Descriptor			User Data	
	ERR			
	Format			
	Encryption			
Delivery	Access Right			
Descriptor	Authentication			
Descriptor	Delivery Time			
	Protocol			
	Compression			
To Whom	Peer IDs			
10 WITOIN	User IDs			

89. The method as recited in claim 73, wherein the 5 Event Report Request data includes information as:

General Element	Specific Element		
Condition Descriptor	Time		
	DI Related Operation		
	Peer Related Operation		
ERR Descriptor	Description	Time Stamp	

		Life Time	
		History	
		Priority Level	
	ID		
	Access Right		
		ER ID	
	ER Data Descriptor	Report Data	
ER Descriptor		Access Right	
		Format	
	ERR		
	To Whom	Peer IDs	
		User IDs	
Delivery	Delivery Time		
Descriptor		Encryption	
pescriptor	How	Authentication	
	liow	Protocol	
		Compression	

General Element	Specific Element	
ER Descriptor	ID	
	Format	
	Encryption	
	Access Right	
	Authenticate	
	Compression	
	History	
,	Priority Level	

	Time Stamp	
Course Descriptor	ER Peer ID	
Source Descriptor	Original ERR	
ER Repo	rt Data	
Additional Action Descriptor	ERR	
Additional Action Descriptor	ER	

- 91. A method for requesting to report an Event and processing an Event Report Request data in order to report an Event occurred in accordance with use of a digital item, the method comprising steps of:
- a) generating and delivering the Event Report Request data; and
- b) receiving an Event Report Request data from an outside, analyzing the Event Report Request data received from the outside and monitoring whether or not an Event specified in the Event Report Request data received from the outside occurs.
- 92. The method as recited in claim 91, wherein the 15 Event Report Request data includes Delivery Time information describing time for transmitting the Event Report data,

wherein the Delivery Time information includes:

a specific time;

5

10

20

25

an elapsed time; and

a periodic time.

93. The Event Reporting method as recited in claim 92, wherein based on schema of eXtensible Markup Language (XML), syntax of the Delivery time information is defined as:

(Table 1)

```
<xsd:element name="specificTime"</pre>
    type="SpecificTime"/>
                      <xsd:element name="elapsedTime"</pre>
    type="ElapsedTime"/>
5
                      <xsd:element name="periodicTime"</pre>
    type="PeriodicTime"/>
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="SpecificTime">
                <xsd:choice>
10
                      <xsd:element name="onTime"</pre>
    type="xsd:dateTime"/>
                      <xsd:sequence>
                             <xsd:element name="afterOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
15
                             <xsd:element name="beforeOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                      </xsd:sequence>
          </xsd:choice>
20
          </xsd:complexType>
          <xsd:complexType name="ElapsedTime">
                <xsd:sequence>
                       <xsd:element name="beginElapse"</pre>
    type="BeginElapse" minOccurs="0"/>
25
                      <xsd:element name="endElapse"</pre>
    type="EndElapse" minOccurs="0"/>
                </xsd:sequence>
          </xsd:complexType>
          <xsd:complexType name="BeginElapse">
30
                <xsd:choice>
                       <xsd:element name="sTime"</pre>
    type="xsd:time"/>
                      <xsd:element name="sDuration"</pre>
    type="xsd:duration"/>
35
                </xsd:choice>
```

```
</xsd:complexType>
           <xsd:complexType name="EndElapse">
                 <xsd:choice>
                       <xsd:element name="eTime"</pre>
    type="xsd:time"/>
                       <xsd:element name="eDuration"</pre>
    type="xsd:duration"/>
                 </xsd:choice>
           </xsd:complexType>
10
          <xsd:complexType name="PeriodicTime">
                 <xsd:sequence>
                       <xsd:element name="start"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                       <xsd:element name="period"</pre>
15
    type="xsd:duration"/>
                       <xsd:element name="phase"</pre>
    type="xsd:duration" minOccurs="0"/>
                       <xsd:element name="duration"</pre>
    type="xsd:duration"/>
20
                       <xsd:element name="periodCount"</pre>
    type="xsd:duration"/>
                </xsd:sequence>
          </xsd:complexType>
25
          <xsd:element name="deliveryTime"</pre>
    type="DeliveryTime"/>
```

(Table 2)

Name	Definition		
"DeliveryTime"	Delivery Time Information		
"SpecificTime"	Specific time to transmit ER data		
"ElapsedTime"	Elapsed time to transmit ER data		
"PeriodicTime"	Periodic Time to transmit ER data		
"onTime"	Time at which ER data should be		

	transmitted
"afterOn"	After a time at which ER data should be transmitted
"beforeOn"	Before a time at which ER data should be transmitted
"beginElapse"	Reference time when elapsed time for transmitting the ER data begins. If there is no beginElapse, the reference time is Event occurrence time
"endElapse"	End time of elapsed time by which delivery of the Event Report data is ended
"sTime"	Specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data for the Event starts
"sDuration"	Duration after specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data for the Event starts
"eTime"	Specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data for the Event ends
"endDuration"	Duration after specific time of a day on which an Event occurs, the specific time at which delivery of an Event Report data for the Event ends

- 94. The method as recited in claim 93, wherein the Event Report data includes:
- ER Descriptor describing identification and characteristics of the Event Report data;
 - Source Descriptor describing a source generating the Event Report data;

ER Report Data describing reportable information corresponding to items requested by the EVENT REPORT REQUEST data; and

Additional Action Descriptor describing additional actions related to generation, transmission and reception of the Event Report data corresponding to the Event Report Request data

95. The method as recited in claim 92, wherein the 10 Event Report Request data includes information as:

General Element	Specific Element		
Condition	Time		
Descriptor	Event	DI Related Operation	
bescriptor		Peer Related Operation	
	Description	Time	Stamp
		Life Time	
ERR Descriptor	Descripcion	His	tory
BAR BESCHIPCOL		Priorit	y Level
	ID		
	Access Right		
	ER Data Descriptor	ER ID	
ER Descriptor		Report Data	Peer Data
			User Data
	ERR		
	Format		
	Encryption		
Delivery	Access Right		
Descriptor	Authentication		
	Delivery Time		
	Protocol		
	Compression		
To Whom	Peer IDs		
	User IDs		

96. The method as recited in claim 92, wherein the Event Report Request data includes information as:

General Element	Specific Element			
Condition	Time			
Descriptor	DI Related Operation			
Descriptor	Peer Related Operation			
		Time Stamp		
	Description	Life Time		
ERR Descriptor		History		
2000		Priority Level		
		ID		
	Access Right			
		ER ID		
	ER Data	Report Data		
ER Descriptor	Descriptor	Access Right		
		Format		
		ERR		
	To Whom	Peer IDs		
	To whom	User IDs		
Delivery	Delivery Time			
Descriptor		Encryption		
Descriptor	How	Authentication		
	1.0**	Protocol		
		Compression		

97. The method as recited in claim 96, wherein the Event Report data includes information as:

General Element	Specific Element	
ER Descriptor	ID	
	Format	
	Encryption	

	Access Right	
	Authenticate	
	Compression	
	History	
	Priority Level	
	Time Stamp	
Source Descriptor	ER Peer ID	
Source bescriptor	Original ERR	
ER Report Data		
Additional Action Descriptor	ERR	
industrial necton bescriptor	ER	

- 98. A method for processing an Event Report data in order to report an Event occurred in accordance with use of a digital item, the method comprising the steps of:
- a) generating and delivering an Event Report data to report the Event specified in an Event Report Request data; and
 - b) analyzing and processing an Event Report data received from an outside.

10

5

99. The method as recited in claim 98, wherein the Event Report Request data includes a specific time, an elapsed time and a periodic time on which the Event Report data is delivered.

15

100. The method as recited in claim 99, wherein based on schema of eXtensible Markup Language (XML), syntax of the Delivery time information is defined as:

20 (Table 1)

<xsd:element name="specificTime"</pre>

type="SpecificTime"/>

```
<xsd:element name="elapsedTime"</pre>
    type="ElapsedTime"/>
                      <xsd:element name="periodicTime"</pre>
    type="PeriodicTime"/>
5
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="SpecificTime">
                <xsd:choice>
                      <xsd:element name="onTime"</pre>
    type="xsd:dateTime"/>
10
                      <xsd:sequence>
                            <xsd:element name="afterOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                            <xsd:element name="beforeOn"</pre>
    type="xsd:dateTime" minOccurs="0"/>
15
                      </xsd:sequence>
          </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="ElapsedTime">
20
                <xsd:sequence>
                      <xsd:element name="beginElapse"</pre>
    type="BeginElapse" minOccurs="0"/>
                      <xsd:element name="endElapse"</pre>
    type="EndElapse" minOccurs="0"/>
25
                </xsd:sequence>
          </xsd:complexType>
          <xsd:complexType name="BeginElapse">
                <xsd:choice>
                      <xsd:element name="sTime"</pre>
    type="xsd:time"/>
30
                      <xsd:element name="sDuration"</pre>
    type="xsd:duration"/>
                </xsd:choice>
          </xsd:complexType>
35
          <xsd:complexType name="EndElapse">
```

```
<xsd:choice>
                       <xsd:element name="eTime"</pre>
    type="xsd:time"/>
                       <xsd:element name="eDuration"</pre>
5
    type="xsd:duration"/>
                </xsd:choice>
          </xsd:complexType>
          <xsd:complexType name="PeriodicTime">
                <xsd:sequence>
10
                       <xsd:element name="start"</pre>
    type="xsd:dateTime" minOccurs="0"/>
                       <xsd:element name="period"</pre>
    type="xsd:duration"/>
                       <xsd:element name="phase"</pre>
15
    type="xsd:duration" minOccurs="0"/>
                       <xsd:element name="duration"</pre>
    type="xsd:duration"/>
                       <xsd:element name="periodCount"</pre>
    type="xsd:duration"/>
20
                </xsd:sequence>
          </xsd:complexType>
```

<xsd:element name="deliveryTime"</pre>

(Table 2)

25

type="DeliveryTime"/>

Name	Definition			
"DeliveryTime"	Delivery Time Information			
"SpecificTime"	Specific time to transmit ER data			
"ElapsedTime"	Elapsed time to transmit ER data			
"PeriodicTime"	Periodic Time to transmit ER data			
"onTime"	Time at which ER data should be transmitted			
"afterOn"	After a time at which ER data			

	should be transmitted
"beforeOn"	Before a time at which ER data
Deloteon	should be transmitted
	Reference time when elapsed time
	for transmitting the ER data
"beginElapse"	begins. If there is no beginElapse,
	the reference time is Event
	occurrence time
	End time of elapsed time by which
"endElapse"	delivery of the Event Report data
	is ended
	Specific time of a day on which an
"sTime"	Event occurs, the specific time at
	which delivery of an Event Report
	data for the Event starts
	Duration after specific time of a
	day on which an Event occurs, the
"sDuration"	specific time at which delivery of
	an Event Report data for the Event
	starts
	Specific time of a day on which an
"eTime"	Event occurs, the specific time at
	which delivery of an Event Report
	data for the Event ends
	Duration after specific time of a
"endDuration"	day on which an Event occurs, the
	specific time at which delivery of
	an Event Report data for the Event
	ends

101. The method as recited in claim 100, wherein the Event Report data includes:

ER Descriptor describing identification and 5 characteristics of the Event Report data;

Source Descriptor describing a source generating the

Event Report data;

5

ER Report Data describing reportable information corresponding to items requested by the Event Report Request data; and

Additional Action Descriptor describing additional actions related to generation, transmission and reception of the Event Report data corresponding to the Event Report Request data

10 102. The method as recited in claim 99, wherein the Event Report Request data includes information as:

General Element	Specific Element			
Condition	Time			
Descriptor	Event	DI Related Operation		
		Peer Related Operation		
		Time Stamp		
	Description	Life Time		
ERR Descriptor			tory	
		Priori	ty Level	
		ID		
	Access Right			
	ER Data Descriptor	ER ID		
ER Descriptor		Report Data	Peer Data	
			User Data	
	ERR			
	Format			
	Encryption			
Delivery	Access Right			
Descriptor	Authentication			
	Delivery Time			
	Protocol			
	Compression			
To Whom	Peer IDs			
	User IDs			

103. The method as recited in claim 99, wherein the Event Report Request data includes information as:

5

General Element	Specific Element		
Condition	Time		
Descriptor	DI Related Operation		
Descriptor	Peer Related Operation		
ERR Descriptor	Description	Time Stamp	
		Life Time	
		History	
		Priority Level	
	ID		
	Access Right		
ER Descriptor	ER ID		
	ER Data	Report Data	
	Descriptor	Access Right	
		Format	
	ERR		
Delivery Descriptor	To Whom	Peer IDs	
		User IDs	
	Delivery Time		
		Encryption	on
	How	Authentication	
		Protocol	
		Compressi	on

104. The Event Report data processing method as recited in claim 103, wherein the Event Report data includes information as:

General Element	Specific Element
ER Descriptor	ID
	Format

	Encryption	
	Access Right	
	Authenticate	
	Compression	
	History	
	Priority Level	
	Time Stamp	
Source Descriptor	ER Peer ID	
	Original ERR	
ER Report Data		
Additional Action Descriptor	ERR	
	ER	

105. A computer readable recording media storing instructions for executing a method for requesting to report an Event and processing an Event Report Request data in order to report an Event occurred in accordance with use of a digital item, the method comprising steps of:

- a) generating and delivering the Event Report Request data; and
- b) receiving an Event Report Request data from an outside, analyzing the Event Report Request data received from the outside and monitoring whether or not an Event specified in the Event Report Request data received from the outside occurs.